

Providing protection in your environment

Electrically Conductive Solid Silicone Rubber

Saint-Gobain NORSEAL® EC-102 is an electronically conductive 60 durometer (Shore A) solid silicone rubber sheet. The silicone line has a unique chemical structure that gives it a high temperature stability and general inertness unavailable in any other elastomer.

NORSEAL solid silicone products are specially designed to provide the following features:

- RFI/EMI shield protection against electrostatic discharge
- Low amperage conduction
- Smooth, defect-free surface
- Low compression set
- Low outgassing
- Excellent release characteristics
- Long service life
- Good chemical and fluid resistance

Available Sizes

Standard thickness: .020, .031, .063, .094 and .125 in.

Master roll size: 36 in. (914 mm) x continuous length

Sheet size: 36 in. x 36 in. (914 mm x 914 mm)



Applications

- Electronic cabinets
- Electronic PC boards
- RMI/EMI gaskets

NORSEAL® EC-102 – Properties

(COHRLastic® EC-102)

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

Property	Test Method	EC-102
Durometer: Shore A	ASTM D2240	60
Tensile Strength: psi	ASTM D412	700
Tear Strength	ASTM D624	60
Elongation: %	ASTM D412	200
Compression Set: %, 70 hours@302°F	—	20
Volume Resistivity: ohms-cm	—	5
Temperature Range: °F	—	-100 – +500

NORSEAL® EC-102 – Standard Roll Sizes

Product No.	Thickness in. (mm)
EC-102	.020, .031, .063, .094, .125 (.51, .79, 1.59, 2.38, 3.18)

Options (subject to minimum order requirements)

Talc-free, interleaf liner added for ease in winding.

Acrylic pressure-sensitive adhesive (PSA) available in sheet format only (see NORSEAL Silicone Elastomer Acrylic Adhesive Option data page for details).

Important Instructions

- Because Saint-Gobain cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.
- When using PSA option, surfaces must be clean and free of oil, grease, moisture, dust and dirt. Isopropyl alcohol is good for cleaning the surface. Do not remove liner until tape is in proper position. Avoid touching adhesive surface before application.
- Recommended service temperature of the silicone elastomer is between -100°F to 500°F (-73°C to 260°C).

Shelf Life

10 years after the date of sale for base material when stored in original packaging at temperatures up to 70°F (21°C) and 50% relative humidity (for optional PSA, see other data sheets).

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Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s).

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